

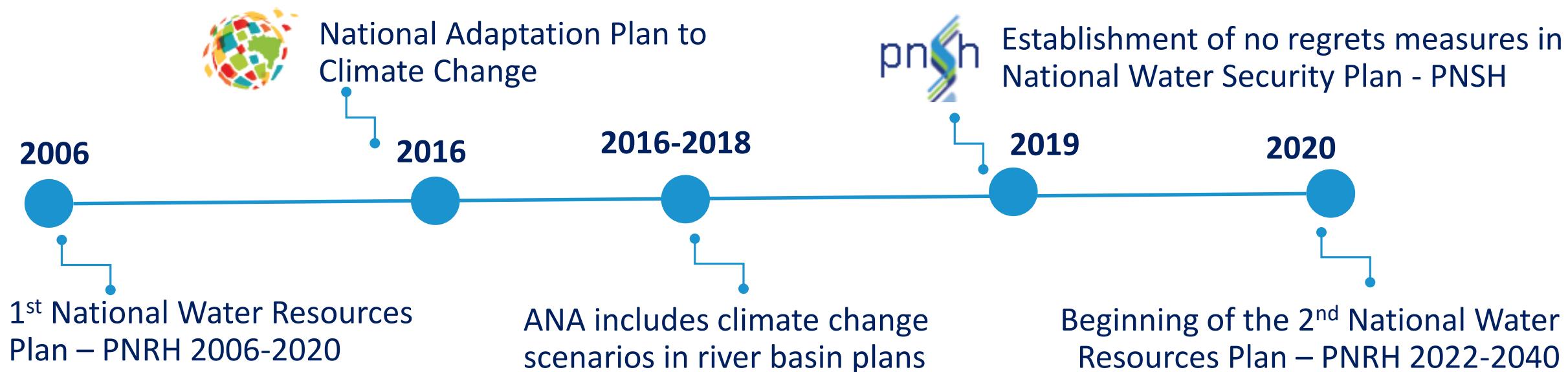
11<sup>th</sup> meeting of the Task Force on Water and Climate  
Session on mainstreaming transboundary aspects of water  
management into climate-related documents  
(Geneva & virtual, 2 October 2020)

# NAP and Water Resources Plans in Brazil

Sérgio Ayrimoraes, Brazil/National Water and Sanitation Agency – ANA



# Brief history of the dialogue between water resources and climate change plans



**Over time, climate change adaptation measures  
have been incorporated into water resource  
planning and management**

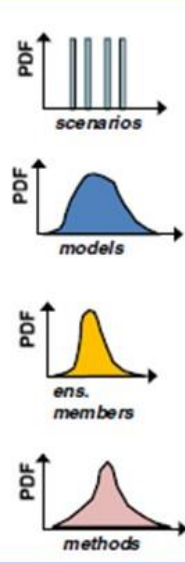
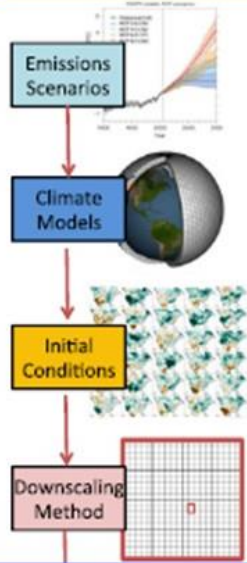
# Detailed Framework for Climate Change in the PNRH 2022-2040

## Climate Impacts Modeling Chain

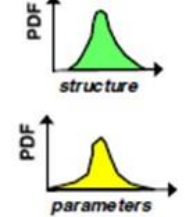
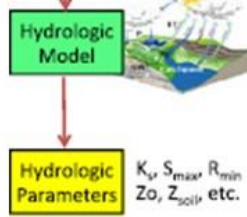
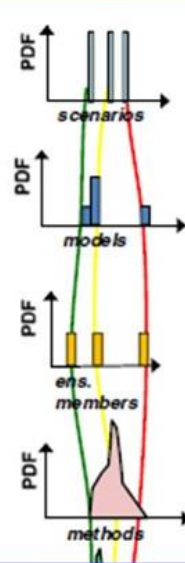
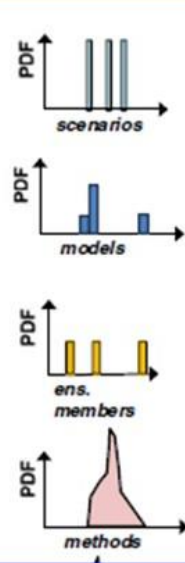
## Characterizing Uncertainties

## Reducing Uncertainties

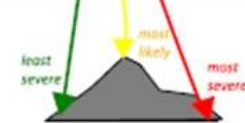
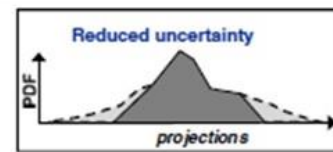
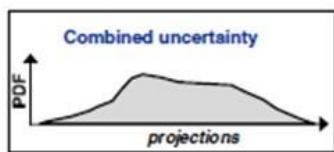
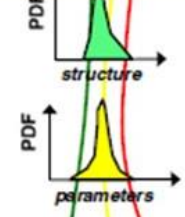
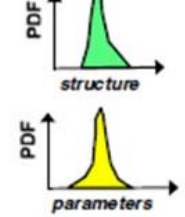
## Hydrologic Storylines



Selection of likely scenarios  
Informed Sampling  
Sampling of Variability  
More Reliable methods

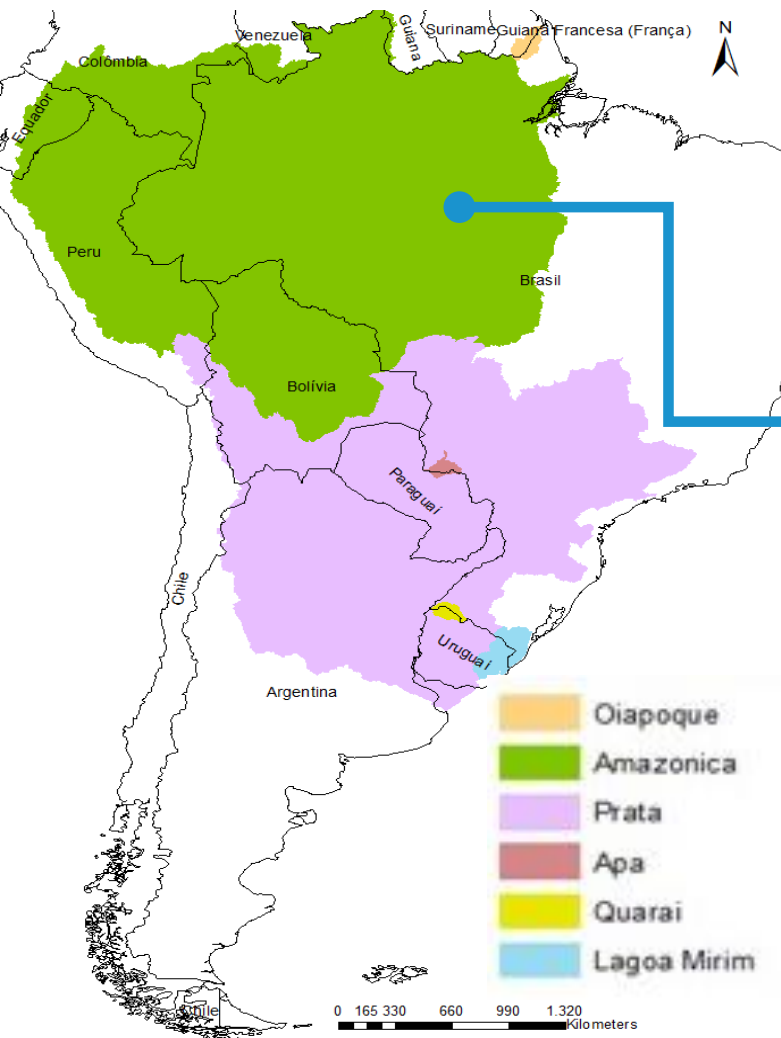


Improved structure  
Improved parameter estimation



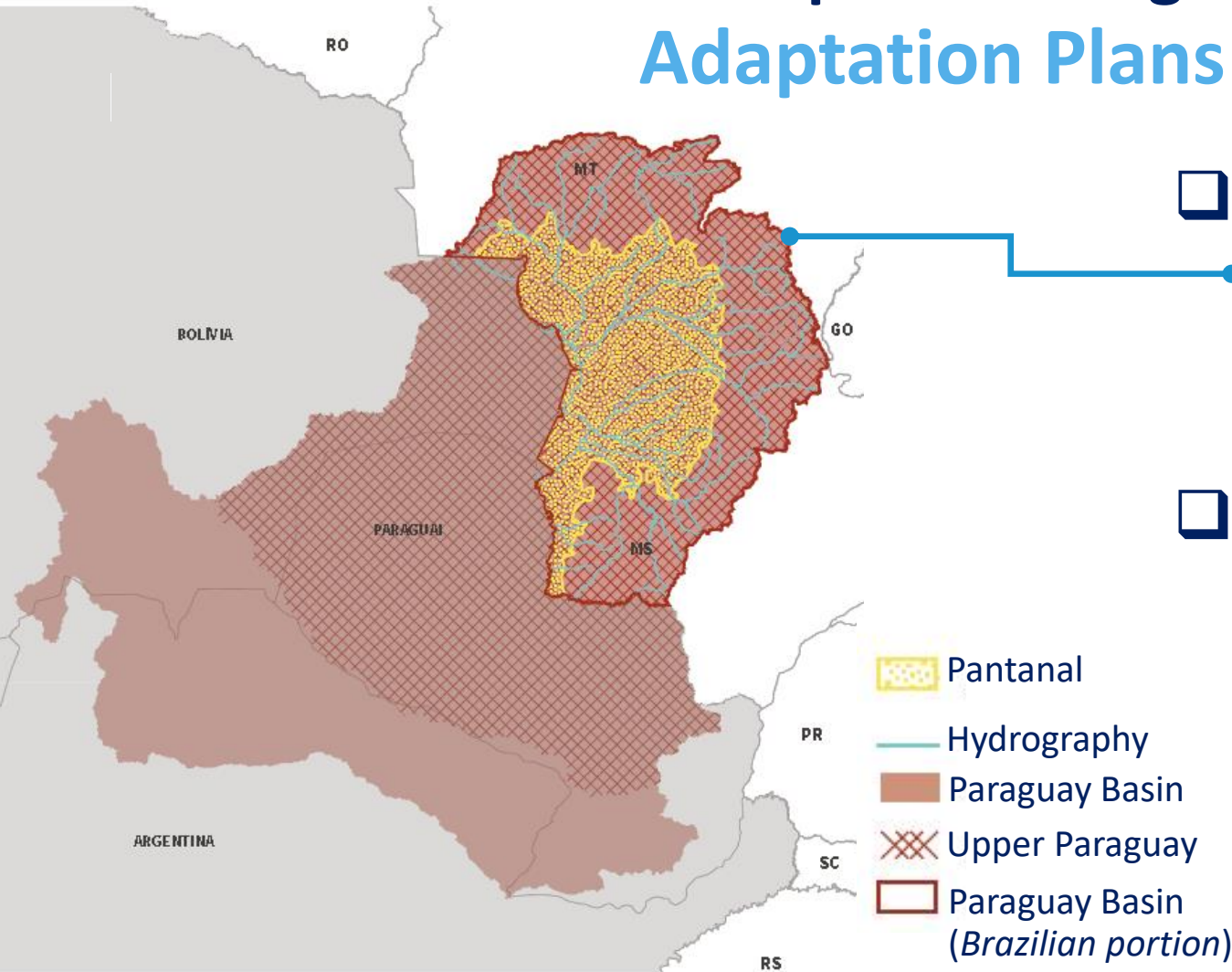
- The next National Water Resources Plan (PNRH) will feature representative **climate change scenarios** and is under construction in a **participatory process**
- It was recently recommended that priority actions for the **NAP 2<sup>nd</sup> cycle** must be established in line with the PNRH 2022-2040

# 99,76% of surface area of transboundary river basins covered by an operational arrangement for water cooperation (SDG 6.5.2)



- ❑ Brazil has technical cooperation projects with all border countries and monitors practically all the most important border and transboundary rivers
- ❑ **GEF Amazonas Project** – The Strategic Actions Program (PAE) was agreed at the technical and diplomatic level of the Amazonian countries and establishes priorities
- ❑ **Transboundary water cooperation** may be included in the NAP 2<sup>nd</sup> cycle based on the subsidies of the next PNRH2022-2040

# River Basin Plans in Brazil are operational, focused on water resources management and key elements to promote regional cooperation among Adaptation Plans and Strategies



- Example: Paraguay River Basin Plan (Brazilian portion) has been used as the basis for a **trilateral agreement** (Brazil, Bolivia and Paraguay)
- This agreement will promote exchanges of best practices, expansion of regional knowledge and identification and treatment of the direct and indirect impacts of transboundary **climate change**



# Thanks!

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